



06-14-2000

6-8-00

RECORDS



PATENTS ONLY

To the Assistant Commissioner
Please record the attached document thereof.

101380512

1. Name of conveying party(ies):

- (a) Mitsuhiro Noguchi
- (b) _____
- (c) _____

Additional name(s) of conveying party(ies) attached? XXX
Yes No

2. Name and address of receiving party:

Name: Kabushiki Kaisha
Toshiba

Street
Address: 72, Horikawa-cho
City: Saiwai-ku, Kawasaki-shi
State: Kanagawa-ken JAPAN
Zip Code: _____

Additional name(s) and address(es) attached?

XXX
Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Change of Agreement
- Other Name

Execution date: April 14, 2000

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is _____

- (a) Patent Application No(s): 09/537,111
- (b) Patent No(s): _____
- (c) Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

Street
Address: 1300 I Street, N.W.
City: Washington
State: D.C. Zip Code: 20005

6. Total number of applications and/or patents involved: 1

7. Total Fee (37 C.F.R. § 3.41): \$40.00

Enclosed
 Charge to Deposit Account No. 06-0916

8. Statement and signature:
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Richard V. Burgujian
Name of person signing
Registration No. 31,744

Signature

6/6/00
Date

Total number of pages including all attachments? 3

06/09/2000 TLUVH 00000045 09537111
02 FC:581



SOLE INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS, I, the below named inventor, (hereinafter referred to as Assignor, have made an invention entitled:

SEMICONDUCTOR DEVICE

for which I executed an application for United States Letters Patent concurrently herewith or on _____ or filed an application for United States Letters Patent on _____ (Serial No. _____); and

WHEREAS, Kabushiki Kaisha Toshiba, a corporation of Japan, whose post office address is 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I HEREBY authorize and request the attorneys I have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

**PATENT
REEL: 010842 FRAME: 0650**

IN TESTIMONY WHEREOF, I have hereunto set my hand.



Assignor

Mitsuhiro NOGUCHI

Kanagawa-ken, Japan

Citizenship: Japan

Signature: Mitsuhiro Noguchi

Date: April 14, 2000

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

RECORDED: 06/08/2000

PATENT
REEL: 010842 FRAME: 0651